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PATENT

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace the paragraph at Page 15, Line 21 starting with the words "Referring to FIG. 5,..." with the following:

Referring to FIG. 5, in accordance with various embodiments, each one of the operations in receiver 100, including searching for pilot signals operation, locking/unlocking operation, and combining/un-combining operation, may include use of an add-threshold and a drop-threshold. For example, in case of the pilot signal search window threshold, every time the received pilot signal energy at comparator 204 moves above an add-threshold 501, the pilot signal energy satisfies the threshold. Moreover, when the received pilot signal energy at comparator 204 drops below a drop-threshold 502, the pilot signal energy fails to satisfy the threshold. In another example, in case of the lock/unlock threshold, when the pilot signal energy moves above add-threshold 501, the lock/unlock indictor indicates a lock condition. Similarly, when the pilot signal energy drops below drop-threshold 502, the lock/unlock indictor indicates the unlock condition. In another example, in case of the combine/un-combine threshold, when the pilot signal energy moves above add-threshold 501, the combine/un-combine indictor indicates a combine condition. Similarly, when the pilot signal energy drops below drop-threshold 502, the combine/un-combine indictor indicates [[a]] an un-combine condition. Moreover, the operations for determining the Active set, Candidate set, and Neighbor set of base stations in the communication system may include use of add-threshold 501 and drop-threshold 502. As such, a hysteresis is created for stability of the process. Pilot signal search window threshold, lock/unlock threshold, and combine/un-combine threshold, each may have a corresponding add-threshold and a corresponding drop-threshold. When a threshold is adjusted, in accordance with various embodiments, the threshold may be either a corresponding add-threshold 501, or a corresponding drop-threshold 502, or both.

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